

**WIRELESS NETWORK CAPABLE OF ALLOWING
COINCIDENT MOBILE TERMINATING LOCATION
REQUEST AND MOBILE ORIGINATING TRANSACTIONS**

5

ABSTRACT OF THE INVENTION

A wireless communications network with Mobile Subscriber (MS) units in cells serviced by base transceiver stations (BTSs). Mobile switching centers (MSC) administer to base station controllers (BSC) which administer to neighboring BTSs.

10 A Serving Mobile Location Center (SMLC) performs positional measurement for the MS units. Gateway Mobile Location Centers (GMLCs) provides an access node for mobile terminating location requests (MT-LR) from external LCS clients. Even after origination of a MT-LR for a particular MS, mobile originated (MO) requests from the particular MS unit are completed normally while and before the MT-LR completes.

15